Approved for use through 09/30/2007. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

10/765,820 Application Number TRANSMITTAL Filing Date January 27, 2004 **FORM** First Named Inventor Vijay Bahel et al. (to be used for all correspondence after initial filing) Art Unit 2123 **Examiner Name** Dwin M. Craig

otal Number of Pages in This Submission Attorney Docket Number 0315-000555 ENCLOSURES (check all that apply) After Allowance Communication to Fee Transmittal Form ___ Drawing(s) Technology Center (TC) Appeal Communication to Board of Fee Attached Licensing-related Papers Appeals and Interferences Petition Appeal Communication to TC Amendment / Reply (Appeal Notice, Brief, Reply Brief) Petition to Convert to a After Final **Proprietary Information** Provisional Application Power of Attorney, Revocation Affidavits/declaration(s) Status Letter Change of Correspondence Address Terminal Disclaimer Other Enclosure(s) Extension of Time Request (please identify below): Form 1449; 1 Foreign Reference; Request for Refund 13 Other References; Return Express Abandonment Request Receipt Postcard CD, Number of CD(s) ___ Information Disclosure Statement Remarks The Commissioner is hereby authorized to charge any additional Certified Copy of Priority fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Document(s) Account No. 08-0750. A duplicate copy of this sheet is enclosed. Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name Harness, Dickey & Pierce, P.L.C. Signature Michael Marnzak/Michael P. Doerr Printed name Date July 6, 2007 Reg. No. 43,770/52,825

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Michael Malinzak	Michael P. D.	perr /	Express Mail Label No.	EV 755 418 762 US (7/6/2007)
Signature	THE V			Date	43,770/52,825

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

OFFE	40,1
JUL 0.6	2007
THE WATERAD	By Parcy

FEE TRANSMITTAL for FY 2007

Effective 2/8/2006. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 180

Complete if Known			
Application Number	10/765,820		
Filing Date	January 27, 2004		
First Named Inventor	Vijay Bahel et al.		
Examiner Name	Dwin M. Craig		
Art Unit	2123		
Attorney Docket No.	0315-000555		

METHOD OF PAYMENT (check all that apply)			FEE CALCULATION (continued)						
☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None					DITION Entity	NAL FE Sma	ES all Entity	t	
Deposit Accor	unt:	Order	Fe Co		Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
Deposit			10	151	130	2051	65	Surcharge - late filing fee or oath	
Account Number	08-0750		10)52	50	2052	25	Surcharge - late provisional filing fee or cover sheet.	
			10	53	130	1053	130	Non-English specification	
Deposit	110,000,000	Dialog & Diagon DI C	18	312	2,520	1812	2,520	For filing a request for reexamination	
Account Name	Harness, I	Dickey & Pierce, PLC	18	304	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
☐ Charge fee(s)	indicated be	o: (check all that apply) elow 🛛 Credit any overpayments		305	1,840*	1805	1,840°	Requesting publication of SIR after Examiner action	
		(s) during the pendency of this application	12	251	120	2251	60	Extension for reply within first month	
to the above-iden		elow, except for the filing fee it account.	12	252	450	2252	225	Extension for reply within second month	
	FE	E CALCULATION	12	253	1020	2253	510	Extension for reply within third month	
1. BASIC F	ILING FE		12	254	1,590	2254	795	Extension for reply within fourth month	
	Fee Fee		12	255	2,160	2255	1080	Extension for reply within fifth month	
	Code (\$)		14	101	500	2401	250	Notice of Appeal	
	2011 150		14	102	500	2402	250	Filing a brief in support of an appeal	
1012 200	2012 100	Design filing fee	14	103	1000	2403	500	Request for oral hearing	
1013 200	2013 100	Plant filing fee	14	152	500	2452	250	Petition to revive - unavoidable	
1014 300	2014 150	Reissue filing fee	14	153	1500	2453	750	Petition to revive - unintentional	
1005 200	2005 100	Provisional filling fee	14	162	400	1462	400	Petition fee under 37 CFR 1.17(f)	
'			14	163	200	1463	200	Petition fee under 37 CFR 1.17(g)	
	SUBT	OTAL (1) (\$) 0	14	164	130	1464	130	Petition fee under 37 CFR 1.17(h)	
2. EXTRA CLA	AIM FEES	FOR UTILITY AND REISSUE	18	307	50	1807	50	Processing fee under 37 CFR 1.17 (q)	
		Extra Fee from Fee Claims below Paid	18	306	180	1806	180	Submission of Information Disclosure Stmt	180
Total Claims Independent Claims	-3 **	= 0 X = 0 = 0 X = 0	80	021	40	8021	40	Recording each patent assignment per property (times number of properties)	
Multiple Dependent		= 0	18	309	790	2809	395	Filing a submission after final rejection (37 CFR § 1.129(a))	
Large Entity	Small E	Entity	J 18	310	790	2810	395	For each additional invention to be examined (37 CFR § 1.129(b))	
Fee Fee Code (\$)	Fee Code	Fee (\$) Fee Description	18	801	790	2801	395	Request for Continued Examination (RCE)	
1202 50	2202	25 Claims in excess of 20	0	ther fee	s (speci	fy)	_		
1201 200	2201	100 Independent claims in excess of 3		Reduce	ed by E	asic Fili	na Fee	Paid SUBTOTAL (3) (\$)180	
1203 360	2203	180 Multiple dependent claim, if not pai	1 I		-		-	ON FEES	
1204 200	2204	100 ** Reissue independent claims ove original patent		. OL. 111	500 I	2111	250	Utility Search Fee	
	1	** Reissue claims in excess of 20 a			100	2112	50	Design Search Fee	\vdash
1205 50	2205	over original patent			300	2113		Plant Search Fee	
					500	2114	250	Reissue Search Fee	
1		SUBTOTAL (2) (\$) 0			200	2311	100	Utility Examination Fee	\vdash
				312	130	2312	65	Design Examination Fee	
				313	160	2313	80	Plant Examination Fee	
					600	2314	300	Reissue Examination Fee	
	the sumber any involved the sector For Delivery							SUBTOTAL (4) (\$)0	
"or number previously paid, if greater; For Reissues, see above								1 (0)0	



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.:

10/765,820

Filing Date:

January 27, 2004

Applicant:

Vijay Bahel, et al.

Group Art Unit:

2123

Examiner:

Dwin M. Craig

07/10/2007 CNEGA1

00000014 080750 1

10765820

DWIII IVI. Craig

01 FC:1806

180.00 DA

Title:

COOLING SYSTEM DESIGN SIMULATOR

Attorney Docket:

0315-000555

Director of the United States Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. COPIES

A. Submitted herewith is a legible copy of (i) each foreign patent; (ii) each publication or that portion which caused it to be listed, other than U.S. patents and U.S. patent application publications unless required by the Office; (iii) each unpublished U.S. application listed below in Section IV (i.e., including the specification, claims, and any drawing of the application, or that portion of the application which caused it to be listed, including any claims directed to that portion), except for such applications filed on or after June 30, 2003, pursuant to the Waiver of the Copy Requirement in 37 C.F.R. 1.98 (OG Notice dated October 19, 2004); and (iv) all other information or that portion which caused it to be listed.

B. Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:						
U.S. Seri	al Number	U.S. Filing Date				
States. A copy of information. The on the attached F any patent resultir from the US, EPC have been suppl	the International Search Redocuments listed on the Intorm 1449 for considerationing from this application. If to, or JPO search authorities, ied to the USPTO under	of the National Phase in the United eport is attached for the Examiner's ernational Search report are listed by the Examiner and for listing on the International Search report was copies of these references should the trilateral agreement and are application. (MPEP 1893.03(g).)				
		ICE (check at least one box)				
	A. \(\subseteq \) Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).					
B. \(\subseteq \) A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):						
	the attached foreign pate foreign application:	nt office communication from a				
0325		ropean Patent Application No. d E5 to E8 listed on Form 1449, d in further detail below.				
Euro Docu "Oth as E	pean Patent Application I uments" 12 on Form 1449, er Documents" 3 and 5 to 8	d: for the Notice of Opposition to No. 032527574, listed as "Other and for the documents listed as on Form 1449 which were attached ely, to the Notice of Opposition to 03252757.4.				
3. 🗌 Other	:					

III.

C. \boxtimes The following additional information is provided for the Examiner's consideration.

Document No.	Explanation
1	These documents, described as a user manual, a CD cover, and a copy of a CD for "rs+ program version 1.0.," were attached as E1 to the Notice of Opposition to European Patent Application No. 03252757.4.
2	These documents, described as a "Blue World" Newsletter No. 6 of August 1998, were attached as E2 to the Notice of Opposition to European Patent Application No. 03252757.4.
3	These documents, described as screen-shots, were attached as E3 to the Notice of Opposition to European Patent Application No. 03252757.4.
4	These documents, described as a copy of the User Manual for rs+ program, version 2.0, were attached as E4 to the Notice of Opposition to European Patent Application No. 03252757.4.
5	These documents, described as a Danfoss invitation to take part in a competition, were attached as E5 to the Notice of Opposition to European Patent Application No. 03252757.4.
6	This document, described as a certificate to winner, was attached as E6 to the Notice of Opposition to European Patent Application No. 03252757.4.
7	This document, described as a letter of confirmation of April 2, 2002, was attached as E7 to the Notice of Opposition to European Patent Application No. 03252757.4.
8	This document, described as a hotel reservation dated April 12, 2002, was attached as E8 to the Notice of Opposition to European Patent Application No. 03252757.4.
9	This document, described as a printed company document entitled "Performer Scroll Compressors," was attached as E9 to the Notice of Opposition to European Patent Application No. 03252757.4.

10	These documents, described as a description of a controller known by the name "ADAP-KOOL," were attached as E10 to the Notice of Opposition to European Patent Application No. 03252757.4.
11	These documents, described as a cover page and pages 3 - 5 of a manual for system software for an "ADAP-KOOL" controller, were attached as E11 to the Notice of Opposition to European Patent Application No. 03252757.4.
12	Notice of Opposition to European Patent Application No. 03252757.4, dated September 26, 2005.
13	Response to Notice of Opposition to European Patent Application No. 03252757.4, dated May 24, 2007.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. \(\sum \) The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does (do) not waive the confidentiality provisions of 35 U.S.C. § 122.

<u>Serial No.</u>	Filing Date	<u>Inventor(s)</u>
11/043,805	1/26/2005	Michael A. Saunders
11/414,745	4/28/2006	Vijay Bahel et al.

V. THIS IDS IS BEING FILED UNDER

A. 🗌 3	7 C.F.R. § 1.97(b): (check only one box)
t	1. within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
f	2. \square within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
	3. Defore the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first

Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. §

	1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).
	4. Defore the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.
	B. X 37 C.F.R. § 1.97(c): (check only one box)
	before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.
	1. \boxtimes No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
	2. See the certification below. No fee is required.
	C. 37 C.F.R. § 1.97(d):
	after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.
	1. See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).
VI.	CERTIFICATION UNDER 37 C.F.R. § 1.97(e): (check only one box)
	The undersigned hereby certifies that:
	A. \square each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or
	B. \square no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 C.F.R. 1.704(d)

The undersigned hereby states that:

each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box, if applicable)

- A. A check in the amount of \$180.00 is enclosed for the above-identified fee.
- B. \boxtimes Please charge Deposit Account No. 08-0750 in the amount of \$180.00 for the above-identified fee. A duplicate copy of this paper is attached.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 08-0750.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 08-0750.

Respectfully submitted,

Dated: 5 July 6, 2007

Michael Malinzak Reg. No. 43,770 Michael P. Doerr

Reg. No. 52,825

Harness, Dickey & Pierce, P.L.C. P.O. Box 828 Bloomfield Hills, Michigan 48303 (248) 641-1600

MM/MPD/mmk

PATENT AND TRADEMARK OFFICE PRIMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET NO.	SERIAL NO.		
0315-000555	10/765,820		
APPLICANT			
Vijay Bahel et al.			
FILING DATE	GROUP		
1/27/2004	2123		

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.						

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translati Yes	on No
1.		EP 1 406 014 A2	4/7/2004	EP			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)			
Ref. Desig.	Examiner's Initials		
1.		rs+ program Version 1.0; Author and Date not available.	
2.		Blue World Newletter; Date: August 1998; Author not available.	
3.		Screen shots; Author and Date not available.	
4.		rs+ program Version 2.0; Author and Date not available.	
5.		rs+ Version 2 Testen und gewinnen mit Danfoss; Author and Date not available.	
6.		Danfoss Zertifikat; Author and Date not available.	
7.		Letter from Ulrike Sieger-Koser to Herr Ridder dated April 2, 2002.	
8.		Fax from Sabine Dorsam to Hotel Steigenberger dated April 12, 2002.	
9.		Performer Scroll Compressors; Author and date not available.	
10.		Adap-Kool; Date: 04-1989; Author not available.	
11.		System Software type AKM; Date: 5-1992; Author not available.	
12.		Notice of Opposition to European Patent Application No. 03252757.4, dated September 26, 2006.	

Examiner:	Date Considered:
-----------	------------------

FORM HDP-1449 (Based on Form PTO-1449)

PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 2 of 2

ATTORNEY DOCKET NO.	SERIAL NO.			
0315-000555	10/765,820			
APPLICANT				
Vijay Bahel et al.				
FILING DATE	GROUP			
1/27/2004	2123			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)			
Ref. Desig.	Examiner's Initials		
13.		Response to Notice of Opposition to European Patent Application No. 03252757.4, dated May 24, 2007.	

Examiner:	Date Considered: